Lesson 4

Length Conversions

1. Convert 27 inches to centimetres.

$$\frac{y}{27in} = \frac{2.54 \text{ cm}}{1 \text{ in}}$$

$$\frac{y}{27in} \times 27in = \frac{2.54 \text{ cm}}{1 \text{ in}} \times 27 \text{ in}$$

$$y = 68.58 \text{ cm}$$

There are 68.58 centimetres in 27 inches.

2. Convert 10 metres to yards.

$$\frac{y}{10 m} = \frac{1.094 \text{ yd}}{1 \text{ m}}$$

$$\frac{y}{10 m} \times 10 m = \frac{1.094 \text{ yd}}{1 \text{ m}} \times 10 \text{ m}$$

$$y = 10.94 \text{ yd}$$

There are approximately 10.94 yards in 10 metres.